

ABSTRACT OF THE DISCLOSURE

Apparatus and process for etching semiconductor wafers and the like in which a substrate is supported by a pedestal within a chamber, and at least one gas capable of etching the substrate or a film material on the substrate is introduced into the chamber through a segmented gas injection element which is separated from the substrate by a distance approximately less than its size from which the distribution of the flow or mixture of gas can be altered spatially proximate to the substrate in a controlled and variable way, for each wafer or substrate if desired, by having a varying amount or mixture of gas flow to some or all of the segments such as to cause the etching rate distribution to vary across the substrate.

On 23rd Oct 1900, in the afternoon, I